

Listing of Claims:

1. (Currently Amended) A method ~~for controlling a power used for transmitting data between a terminal device (TD) and a transceiver device (BTS) of a communication system, said method comprising the steps of:~~

controlling a power used for transmitting data between a terminal device and a transceiver device of a communication system;

monitoring ~~(S2)~~ during a predetermined time unit the power used in a transmission between said terminal device ~~(TD)~~ and said transceiver device during each of a predetermined time units ~~(BTS)[[.]]~~;

requesting ~~(S3)~~ an increase or a decrease of the power used in the transmission by using a specific information element ~~(TPC)~~ for each of the predetermined time units [[unit,]];

storing ~~(S4)~~ a predetermined number ~~(w)~~ of said of the values of specific information elements ~~(TPC)~~ of a plurality of subsequent time units[[.]];

calculating ~~(S5, S6)~~ a power raise requested for the power used in the transmission by summing the first value and a second value concerning the power of transmission during said predetermined number ~~(w)~~ of said of the values of the specific information elements; ~~(TPC)~~, and

calculating an average received power of transmission during the plurality of subsequent time units by using stored values of the specific information elements;

determining whether the calculated power raise is greater than a sum of the calculated average power of transmission and a predetermined level;

inhibiting an increase of the power used in the transmission even if the increase is requested if the determination is positive; and

allowing an increase of the power used in the transmission when the increase is requested if the determination is negative. deciding ~~(S7)~~ by using the first value and the second value concerning the power calculated in said calculating step ~~(S5, S6)~~, whether the first value concerning the power is greater than a sum of the second value concerning the power and a predetermined level ~~(L)~~[[.]]

2. (Currently Amended) A ~~The~~ method ~~according to~~ of claim 1, wherein said predetermined time unit is a timeslot.

3. (Currently Amended) A ~~The~~ method ~~according to~~ of claim 1, wherein said predetermined time unit is a frame composed of a plurality of timeslots.

4. (Currently Amended) A ~~The~~ method ~~according to~~ of claim 1, wherein a value of each one of said specific information elements (~~TPC~~) used in each predetermined time unit is ~~either one of~~ -1 indicating a request for a decrease of power ~~or~~ and +1 indicating a request for an increase of power.

5. (Canceled)

6. (Canceled)

7. (Currently Amended) A ~~The~~ method ~~according to~~ of claim 1, wherein said method is performed by at least one of said terminal device (~~TD~~) and said transceiver station (~~BTS~~).

8. (Currently Amended) A ~~The~~ method ~~according to~~ of claim 1, wherein said method is performed in a downlink direction.

9. (Currently Amended) A ~~The~~ method ~~according to~~ of claim 1, wherein said method is performed in an uplink direction.

10. (Currently Amended) A device ~~for controlling a power used for transmitting data between a terminal device (TD) and a transceiver device (BTS) of a communication system, said device~~ comprising:

controlling means for controlling a power used for transmitting data between a terminal device and a transceiver device of a communication system;

monitoring means ~~(40)~~ for monitoring during a each of predetermined time units ~~unit~~ the power used in a transmission between said terminal device ~~(TD)~~ and said transceiver device ~~(BTS)~~[[,]];

requesting means ~~(20)~~ for requesting an increase or a decrease of the power used in the transmission by using a specific information element ~~(TPC)~~ for each of the predetermined time units; [[unit,]]

storing means ~~(40)~~ for storing a predetermined number ~~(w)~~ of said of values of the specific information elements of a plurality of subsequent time units; ~~(TPC)~~[[,]]

calculating means ~~(50)~~ for calculating a power raise requested for the power used in the transmission by summing the first value and a second value concerning the power of transmission during said predetermined number ~~(w)~~ of said of the values of the specific information elements; ~~(TPC)~~, and

calculating means for calculating an average received power of transmission during the plurality of subsequent time units by using stored values of the specific information elements;

determining means for determining whether the calculated power raise is greater than a sum of the calculated average power of transmission and a predetermined level; and

an output means for outputting a signal configured to one of inhibit an increase of the power used in the transmission even if an increase is requested if the determination is positive and allow an increase of the power used in the transmission when the increase is requested if the determination is negative.

~~deciding means (60) for deciding (S7) by using the first value and the second value concerning the power calculated by said calculating means (50), whether the first value concerning the power is greater than a sum of the second value concerning the power and a predetermined level (L)[[.]]~~

11. (Currently Amended) A The device ~~according to~~ of claim 10, wherein said predetermined time unit is a timeslot.

12. (Currently Amended) A The device ~~according to~~ of claim 10, wherein said predetermined time unit is a frame composed of a plurality of timeslots.

13. (Currently Amended) A The device ~~according to~~ of claim 10, wherein a value of each one of said specific information elements (~~TPC~~) used in each predetermined time unit is ~~either~~ one of -1 indicating a request for a decrease of power ~~or~~ and +1 indicating a request for an increase of power.

14. (Canceled)

15. (Canceled)

16. (Currently Amended) A The device ~~according to~~ of claim 10, wherein said device is included by at least one of said terminal device (~~TD~~) and said transceiver station (~~BTS~~).

17. (Currently Amended) A The device ~~according to~~ of claim 10, wherein said device is ~~adapted~~ configured to perform a power control in a downlink direction.

18. (Currently Amended) A The device ~~according to~~ of claim 10, wherein said device is ~~adapted~~ configured to perform a power control in an uplink direction.

19. (Currently Amended) A The method ~~according to~~ of claim 2, wherein said method is performed by at least one of said terminal device (~~TD~~) and said transceiver station (~~BTS~~).

20. (Currently Amended) A The method ~~according to~~ of claim 3, wherein said method is performed by at least one of said terminal device (~~TD~~) and said transceiver station (~~BTS~~).

21. (Currently Amended) A The method ~~according to~~ of claim 4, wherein said method is performed by at least one of said terminal device (~~TD~~) and said transceiver station (~~BTS~~).

22. (Canceled)

23. (Canceled)

24. (Currently Amended) A The method ~~according to~~ of claim 2, wherein said method is performed in a downlink direction.

25. (Currently Amended) A The method ~~according to~~ of claim 3, wherein said method is performed in a downlink direction.

26. (Currently Amended) A The method ~~according to~~ of claim 4, wherein said method is performed in a downlink direction.

27. (Canceled)

28. (Canceled)

29. (Currently Amended) A The method ~~according to~~ of claim 2, wherein said method is performed in an uplink direction.

30. (Currently Amended) A The method ~~according to~~ of claim 3, wherein said method is performed in an uplink direction.

31. (Currently Amended) A The method ~~according to~~ of claim 4, wherein said method is performed in an uplink direction.

32. (Canceled)

33. (Canceled)

34 (Currently Amended) A The device ~~according to~~ of claim 11, wherein said device is included by at least one of said terminal device (~~TD~~) and said transceiver station (~~BTS~~).

35. (Currently Amended) A The device ~~according to~~ of claim 12, wherein said device is included by at least one of said terminal device (~~TD~~) and said transceiver station (~~BTS~~).

36. (Currently Amended) A The device ~~according to~~ of claim 13, wherein said device is included by at least one of said terminal device (~~TD~~) and said transceiver station (~~BTS~~).

37. (Canceled)

38. (Canceled)

39. (Currently Amended) A The device ~~according to~~ of claim 11, wherein said device is ~~adapted~~ configured to perform a power control in a downlink direction.

40. (Currently Amended) A The device ~~according to~~ of claim 12, wherein said device is ~~adapted~~ configured to perform a power control in a downlink direction.

41. (Currently Amended) A The device ~~according to~~ of claim 13, wherein said device is ~~adapted~~ configured to perform a power control in a downlink direction.

42. (Canceled)

43. (Canceled)

44. (Currently Amended) A The device ~~according to~~ of claim 11, wherein said device is ~~adapted~~ configured to perform a power control in an uplink direction.

45. (Currently Amended) A The device ~~according to~~ of claim 12, wherein said device is ~~adapted~~ configured to perform a power control in an uplink direction.

46. (Currently Amended) A The device ~~according to~~ of claim 13, wherein said device is ~~adapted~~ configured to perform a power control in an uplink direction.

47. (Canceled)

48. (Canceled)

49. (New) A base transceiver station comprising:

- a control unit for controlling a power used for transmitting data between a terminal device of a communication system;

- a monitoring unit for monitoring the power used in a transmission between said terminal device and said transceiver device during each of predetermined time units;

- a request unit for requesting an increase or a decrease of the power used in the transmission by using a specific information element for each of the predetermined time units;

- a storage unit for storing a predetermined number of values of the specific information elements of a plurality of subsequent time units;

- a first calculating unit for calculating a power raise requested for the power used in the transmission by summing the predetermined number of the values of the specific information elements;

- a second calculating unit for calculating an average received power of transmission during the plurality of subsequent time units by using stored values of the specific information elements;

- a determining unit for determining whether the calculated power raise is greater than a sum of the calculated average power of transmission and a predetermined level; and

- an output unit for outputting a signal configured to one of inhibit an increase of the power used in the transmission even if an increase is requested if the determination is positive and allow an increase of the power used in the transmission when the increase is requested if the determination is negative.

50. (New) A terminal device comprising:

- a control unit for controlling a power used for transmitting data to a transceiver device of a communication system;

- a monitoring unit for monitoring the power used in a transmission between said terminal device and said transceiver device during each of predetermined time units;

- a request unit for requesting an increase or a decrease of the power used in the transmission by using a specific information element for each of the predetermined time units;

- a storage unit for storing a predetermined number of values of the specific information elements of a plurality of subsequent time units;

- a first calculating unit for calculating a power raise requested for the power used in the transmission by summing the predetermined number of the values of the specific information elements;

- a second calculating unit for calculating an average received power of transmission during the plurality of subsequent time units by using stored values of the specific information elements;

- a determining unit for determining whether the calculated power raise is greater than a sum of the calculated average power of transmission and a predetermined level; and

- an output unit for outputting a signal configured to one of inhibit an increase of the power used in the transmission even if an increase is requested if the determination is positive and allow an increase of the power used in the transmission when the increase is requested if the determination is negative.

51. (New) A computer-readable medium for controlling a power used for transmitting data between a terminal device and a transceiver device of a communication system, the computer-readable medium being encoded with a computer program, the computer programming comprising:

program code for monitoring during each of predetermined time units the power used in a transmission between said terminal device and said transceiver device;

program code for requesting an increase or a decrease of the power used in the transmission by using a specific information element for each of the predetermined time units;

program code for storing a predetermined number of values of the specific information elements of a plurality of subsequent time units;

program code for calculating a power raise requested for the power used in the transmission by summing the predetermined number of the values of the specific information elements;

program code for calculating an average received power of transmission during the plurality of subsequent time units by using stored values of the specific information elements;

program code for determining whether the calculated power raise is greater than a sum of the calculated average power of transmission and a predetermined level;

program code for inhibiting an increase of the power used in the transmission even if an increase is requested if the determination is positive; and

program code for allowing an increase of the power used in the transmission when the increase is requested if the determination is negative.